

DRAINAGE REQUIREMENTS FOR PERMITS

When submitting permit applications for evaluation of drainage impacts within ADOT right-of-way, the following information must be furnished:

- 1) A drainage report that includes a description of the existing drainage conditions, the proposed revisions, and the effects of the proposed changes on existing conditions within ADOT right-of-way.
- 2) Engineering drawings and construction plans showing proposed drainage modifications, including site plans, drainage areas, contours, grading, pipe profiles, channel profiles, etc.
- 3) Hydrologic and hydraulic calculations for design, discharge, water surface profiles, flow depths and flow velocities as applicable. Describe the hydrologic methodology and retention requirements utilized in the design. Show the first flush volume is either retained on the project site or treated prior to discharging to ADOT drainage facilities.

The attached checklist should be used prior to submitting permit applications to ADOT for review.

Roadway Drainage Section

Permit Checklist

Permit Name: _____

Location: City _____

Route _____ Milepost or Crossroad _____

1. Are existing drainage conditions adequately described? _____
2. Are proposed drainage conditions adequately described, including impacts to ADOT drainage facilities? _____
3. Are all drainage-related construction plans and details provided? _____
4. Is a site map included? _____
5. Are drainage area maps included, clearly showing drainage patterns in both the pre- and post-construction conditions (including discharges to ADOT right-of-way from the project property)? _____
6. Are there any FEMA floodplain impacts? Is this discussed in the report? _____
7. Are there any flood control projects existing or planned for the project area? Are there any existing drainage studies for the area? _____
8. Was the proposed drainage design evaluated relative to scour, ponding, flow diversions, bank protection, etc. within ADOT right-of-way? _____
9. Are all hydraulic and hydrologic computations included? _____
10. Is the hydrologic methodology described? _____
11. Are retention requirements described? _____
12. Does the report demonstrate that drainage conditions within ADOT right-of-way are not being worsened as a result of the project (including pavement drainage criteria in Tables 603.2B and 603.2C of the ADOT Roadway Design Guidelines)? _____
13. Is the first flush volume retained on the project site or treated prior to discharging to ADOT drainage facilities? _____